

FAIRFIELD COUNTY ENGINEERING, LLC

CIVIL ENGINEERS

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The subject parcel is located at 4 Four Acres Road, at the eastern end of the cul-de-sac.

The property contains approximately 9,011 square feet of wetlands at its eastern end.

The proposal for this site is to construct a single family residence with associated driveway, pool and pool patio. The proposed activity requires approximately 150 cubic yards of gross fill in the Upland Review Area, and a gross cut of approximately 110 cubic yards. This results in a net fill of 40 cubic yards.

An approximately 2,234 square foot area of the approximately 10,439 square foot Upland Review Area will be temporarily disturbed to install the improvements. The proposed pool patio is 39 feet away from the wetlands at its closest point, while the proposed pool is 51 feet away, at its closest point. There is no activity proposed in the wetlands.

The stormwater runoff of a portion of the proposed house roof and the proposed pool patio will be collected and routed to fourteen proposed Cultec chambers. The proposed retention system will decrease the runoff for the 2 through 50 Year rainfall events, and will provide for groundwater recharge.

The drainage pattern will not be altered by the proposed activity, and surrounding properties will not be affected. The proposed retention system will improve the water quality of the runoff from the site.

An excavator will be needed to install the pool, and general grading in the Upland Review Area. The area will be accessed via the end of the proposed driveway area.

A silt fence will be installed upland of the staked wetlands, between it and the area of activity. A crushed stone tracking pad will be installed in the area of access, and maintained throughout the duration of the construction to keep the road and area clean of silt.

Existing topsoil will be scraped off and stockpiled for re-use once the proposed grades are established. The disturbed areas will be stabilized with lawn. A Landscape Restoration plan is included from a Landscape Architect.

Respectfully submitted,

Wayne D'Avanzo, P.E.

Principal

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